

**CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)**

Applicant(s): S. Datta, et al.

Docket No.

98B037A/2

Serial No.

10/613,374

Filing Date

July 3, 2003

Examiner

Unassigned

Group Art Unit

Unassigned

Invention: Elastic Blends Comprising Crystalline Polymer And Crystallizable Polymers of Propylene

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/613,374
		Filing Date	July 3, 2003
		First Named Inventor	S. Datta, et al.
		Art Unit	Unassigned
		Examiner Name	Unassigned
Total Number of Pages In This Submission	10	Attorney Docket Number	98B037A/2

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b), 1.97(c), or 1.97(d)</b>			<b>Attny. Docket No. 1998B037A-2</b>
<b>In Re Application of: Datta et al.</b>			
<b>U.S. Serial No. 10/613,374</b>	<b>Filing Date July 3, 2003</b>	<b>Examiner Unassigned</b>	<b>Group Art Unit 1711</b>

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**37 CFR § 1.97(b)**

- ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

**37 CFR § 1.97(c)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); after three months of the date of entry of the national stage as set forth in § 1.491 in an international application; after the mailing of a first Office Action on the merits; or after the mailing of a first Office Action after the filing of a request for continued examination under § 1.114, but before the mailing date of:

1. a Final Action under § 1.113,
2. a Notice of Allowance under § 1.311, or
3. an action that otherwise closes prosecution in the application,

and is accompanied by either:

- ☐ the fee as set forth in § 1.17(p), or  
☐ the following statement under § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

**37 CFR § 1.97(d)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after a Final Action under § 1.113, a Notice of Allowance under § 1.311, or an action that otherwise closes prosecution in the application, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is the fee as set forth in § 1.17(p) and the following statement under 37 CFR § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Applicant hereby request consideration of the Information Disclosure Statement, USPTO form 1449, submitted herewith.

☐ Legible copies of the references are enclosed.

☒ This application is a:

- ☒ Continuation / Divisional,  
☐ Continuation-in-Part,

of U.S.S.N. 09/108,467. Copies of the cited references are ☐ enclosed; ☒ not enclosed. References are available in the parent application(s) if not enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account Number 05-1712. A duplicate copy of this form is enclosed.

January 20, 2004

Date

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FORM - 1449

SHEET 1 OF 7

<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.		SERIAL NO.	
				1998B037A-2		10/613,374	
				APPLICANT			
				Datta et al.			
				FILING DATE		GROUP	
July 3, 2003		1711					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,262,992	07/26/66	Holzer et al.	260	876	
		3,378,606	04/16/68	Kontos	260	878	
		3,758,656	09/11/73	Shih	264	115	
		3,853,969	12/10/74	Kontos	260	878	
		3,882,197	05/06/75	Fritz et al.	260	897	
		3,888,949	06/10/75	Shih	260	897	
		3,998,911	12/21/76	Strametz et al.	260	878	
		4,411,821	10/25/83	Howard, Jr.	502	117	
		4,461,872	07/24/84	Su	525	240	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		GB 1 342 647	01/03/74	Great Britain	C08F	29/02	
		WO 87/02991	05/21/87	PCT	CO8F	10/00	
		WO 92/00333	01/09/92	PCT	CO8F	4/76	
		WO 93/06169	04/01/93	PCT	CO8L	23/12	
		WO 96/06132	02/29/96	PCT	CO8L	23/00	
		WO 96/24623	08/15/96	PCT	CO8F	210/06	
EXAMINER				DATE CONSIDERED			
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					1998B037A-2		10/613,374	
					APPLICANT			
					Datta et al.			
					FILING DATE		GROUP	
July 3, 2003		1711						
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		4,491,652	01/01/85	Matthews et al.	525	247		
		4,540,753	09/10/85	Cozewith et al.	504	582		
		4,542,199	09/17/85	Kaminsky et al.	526	160		
		4,543,399	09/24/85	Jenkins et al.	526	70		
		4,588,790	05/13/86	Jenkins et al.	526	70		
		4,752,597	06/21/88	Turner	502	104		
		4,758,656	07/19/88	Itoh et al.	530	351		
		4,808,561	02/28/89	Welborn, Jr.	502	104		
		4,871,705	10/03/89	Hoel	502	117		
		4,859,757	08/22/89	Pellon et al.	526	348		
		4,897,455	01/30/90	Welborn, Jr.	526	129		
		4,912,075	03/27/90	Chang	502	107		
		4,937,217	06/26/90	Chang	502	111		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 97/10300	02/18/99	PCT	CO8L	23/14		
		WO 98/39384	09/11/98	PCT	CO8L	23/14		
		WO 99/01485	01/14/99	PCT	CO8F	210/06		
		WO 99/07788	02/18/99	PCT	CO8L	2/18/99		
EXAMINER					DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant								

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SHEET 3 OF 7

<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.		SERIAL NO.	
				1998B037A-2		10/613,374	
				APPLICANT			
				Datta et al.			
				FILING DATE		GROUP	
July 3, 2003		1711					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,937,301	06/26/90	Chang	526	128	
		5,008,228	04/16/91	Chang	502	111	
		5,017,714	05/21/91	Welborn, Jr.	556	12	
		5,028,670	07/02/91	Chinh et al.	526	73	
		5,057,475	10/15/91	Canich et al.	502	104	
		5,086,025	02/04/92	Chang	502	117	
		5,120,867	06/09/92	Welborn, Jr.	556	12	
		5,132,262	07/21/92	Rieger, et al.	502	117	
		5,147,949	09/15/92	Chang	526	129	
		5,153,157	10/06/92	Hlatky et al.	502	117	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		EP 0 037 659	10/14/81	Europe	C02F	3/02	
		EP 0 128 046	12/12/84	Europe	C08F	10/00	
		EP 0 277 003	08/03/88	Europe	C08F	4/64	
		EP 0 302 424	07/30/88	Europe	C08F	10/00	
		EP 0 374 695	06/27/96	Europe	C08F	210/08	
		EP 0 426 637	05/08/91	Europe	C08F	4/603	
		EP 0 427 697	05/15/91	Europe	C08F	4/602	
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

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SHEET 4 OF 7

<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.		SERIAL NO.	
				1998B037A-2		10/613,374	
				APPLICANT			
				Datta et al.			
				FILING DATE		GROUP	
July 3, 2003		1711					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,198,401	03/30/93	Turner et al.	502	155	
		5,238,892	08/24/93	Chang	502	111	
		5,243,001	09/07/93	Winter et al.	526	127	
		5,278,119	01/11/94	Turner et al.	526	127	
		5,278,264	01/11/94	Spaleck et al.	502	155	
		5,296,434	03/22/94	Karl et al.	502	117	
		5,304,614	04/19/94	Winter et al.	526	127	
		5,324,800	06/28/94	Welborn, Jr. et al.	526	160	
		5,331,054	07/19/94	Fujita et al.	525	240	
		5,387,568	02/17/95	Ewen et al.	502	104	
		5,391,629	02/21/95	Turner et al.	525	268	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		EP 0 480 190	09/12/91	Europe	C08F	10/06	
		EP 0 495 375	07/22/92	Europe	C08F	4/74	
		EP 0 520 732	12/30/92	Europe	C08F	10/00	
		EP 0 538 749	04/28/93	Europe	CO8L	23/10	
		EP 0 546 690	06/16/93	Europe	C08F	4/642	
		EP 0 550 214	7/07/93	Europe	CO8F	23/12	
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

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SHEET 5 OF 7

<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.		SERIAL NO.	
				1998B037A-2		10/613,374	
				APPLICANT			
				Datta et al.			
				FILING DATE		GROUP	
July 3, 2003		1711					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,416,178	05/16/95	Winter et al.	526	160	
		5,451,639	09/19/95	Marczinke et al.	525	193	
		5,455,305	10/03/95	Galambos	525	240	
		5,461,113	10/24/95	Marczinke et al.	525	193	
		5,504,172	04/02/96	Imuta et al.	526	351	
		5,516,848	05/14/96	Canich et al.	525	240	
		5,539,056	07/23/96	Yang et al.	525	240	
		5,576,259	11/19/96	Hasegawa et al.	502	117	
		5,585,448	12/17/96	Resconi et al.	526	170	
		5,594,080	01/14/97	Waymouth et al.	526	126	
		5,618,895	04/08/97	Kerth et al.	526	128	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		EP 0 573 403	12/08/93	Europe	C08F	4/602	
		EP 0 582 194	07/28/93	Europe	C07F	17/00	
		EP 0 646 624	04/05/95	Europe	C08L	23/10	
		EP 0 695 765	02/07/96	Europe	C08L	23/10	X
		EP 0 716 121	10/12/96	Europe	C08L	23/10	
		EP 0 890 584	01/13/99	Europe	C08F	10/06	
EXAMINER				DATE CONSIDERED			
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

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## INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO.

1998B037A-2

SERIAL NO.

10/613,374

APPLICANT

Datta et al.

FILING DATE

July 3, 2003

GROUP

1711

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,700,896	12/23/97	Dolle et al.	526	351	
	5,747,621	05/05/98	Resconi et al.	526	351	
	5,763,534	06/09/98	Srinivasan et al.	525	240	
	5,840,808	11/24/98	Sugimura et al.	525	268	
	5,869,584	02/09/99	Winter et al.	526	127	
	5,936,053	08/10/99	Fuknoka et al.	526	351	
	6,048,950	04/11/00	Dolle et al.	526	126	

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	ASTM D 1646-96a - "Standard Test Methods for Rubber - Viscosity, Stress Relaxation, and Pre-Vulcanization Characteristics (Mooney Viscometer)" - American Society for Testing & Materials
	ASTM D 3900-95 - "Standard Test Methods for Rubber Raw - Determination of Ethylene Units in EPM (Ethylene-Propylene Copolymers) and EPDM (Ethylene-Propylene-Diene Terpolymers)" - American Society for Testing & Materials
	Derwent Abstract for EP 0 480 190 A
	Derwent Abstract for EP 0 890 584 A
	Macromolecules, Vol. 17, 1984, pp. 1950-1955, "CNMR Analysis of Ethylene-Propylene Rubbers", H. N. Cheng
	Macromolecules, Vol. 21 (12), 1988, pp. 3360-3371, "Near Monodisperse Ethylene-Propylene Copolymers by Direct Ziegler-Natta Polymerization Properties, Characterization, Properties", G. Ver Strate et al.
	Macromolecules, Vol. 22 (10) 1989, pp. 3851-3858, "Elastomeric Polypropylenes from Alumina-Supported Tetraalkyl Group IVB Catalysts. 1. Synthesis and Properties of High Molecular Weight Stereoblock Hopolymers", John W. Collette, et al.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

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SHEET 7 OF 7

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	1998B037A-2	10/613,374
	APPLICANT	
	Datta et al.	
	FILING DATE	GROUP
	July 3, 2003	1711
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
	Macromolecules, Vol. 28, 1996, pp. 3771-3778, S. Collins	
	Macromolecules, Vol. 31, 1998, pp. 6908-6916, "Elastomeric Polypropylenes from Unbridged (2-Phenylindene)zirconocene Catalysts" Thermal Characterization and Mechanical Properties", Yirong Hu, Mark T. Krejchi, Chirag D. Shah. Charles L. Myers and Robert M. Waymouth	
	Macromolecules, Vol. 32, 1999, pp. 334-3340, "Elastomeric Polypropylenes from Unbridged 2-Phenylindene Zirconocene Catalysts: Temperature Dependence of Crystallinity and Relaxation Properties", Yirong Hu, Eric D. Carlson, Gerald G. Fuller, and Robert M. Waymouth	
	Macromolecules, Vol. 32, 1999, pp. 8100-8106, "Component Relaxation Processes within Elastomeric Polypropylene", Eric D. Carlson, Gerald G. Fuller and Robert M. Waymouth	
	Macromolecules, Vol. 32, 1999, pp. 8383-8290, "Regioirregular Propene, Insertion in Polypropylenes Synthesized with Unbridged Bis(2-aryl)indenyl Zirconium Dichloride Catalysts: Implications on Activity", Shirley Lin and Robert M. Waymouth	
	J. Chien, <i>Journal of the American Chemical Society</i> (1991), Vol. 113. Pages 8569-8570	
	R. Weymouth, <i>Journal of the American Chemical Society</i> (1996), Vol. 117, page 11586	
	R. Weymouth, <i>Journal of the American Chemical Society</i> (1997), Vol. 119, page 3635,	
	Science, Vol. 267, 13 January, 1995, pp. 217-219, "Oscillating Stereocontrol: A Strategy for the Synthesis of Thermoplastic Elastomeric Polypropylene", Geoffrey W. Coates and Robert M. Waymouth	
	Tincul, et al., "Impact Fracture Toughness of Propylene/1-Pentene Random Copolymers", Polymer Material Sci. Eng., PMSEDG 79, pages 190-191 (1998)	
EXAMINER		DATE CONSIDERED
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant		